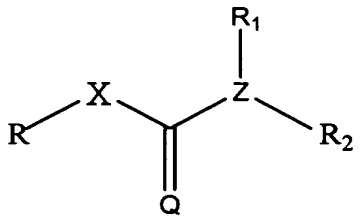
# MODULATION OF ANXIETY THROUGH BLOCKADE OF ANANDAMIDE HYDROLYSIS

ABSTRACT OF THE DISCLOSURE

Fatty acid amide hydrolase inhibitors of the Formula:




I.

are provided wherein X is NH, $CH_2$, O, or S; Q is O or S; Z is O or N; R is an aromatic moiety selected from the group consisting of substituted or unsubstituted aryl; substituted or unsubstituted biphenylyl, substituted or unsubstituted naphthyl, and substituted or unsubstituted phenyl; substituted or unsubstituted terphenylyl; substituted or unsubstituted cycloalkyl, heteroaryl, or alkyl; and $R_1$ and $R_2$ are independently selected from the group consisting of H, substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl, and substituted or unsubstituted phenyl, substituted or unsubstituted biphenylyl, substituted or unsubstituted aryl, and substituted or unsubstituted heteroaryl; with the proviso that if Z is O, one of $R_1$ and $R_2$ is absent, and that if Z is N, optionally $R_1$ and $R_2$ may optionally be taken together to form a substituted or unsubstituted *N*-heterocycle or substituted or unsubstituted heteroaryl with the N atom to which they are each attached. Pharmaceutical compositions comprising the compounds of Formula I and methods of using them to inhibit FAAH and/or treat appetite disorders, glaucoma, pain, insomnia, and neurological and psychological disorders including anxiety disorders, epilepsy, and depression are provided.